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October 11, 2006

OFFICE OF PUBLIC RECORDS 2006 OCT 16 AM 11: 10 FINANCE SECTION

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U.S. Patent Application Serial No.: 10/512,102

For: NOISE FILTER CIRCUIT Your Ref.: FE/Sv USA-932

Our File No.: 0001864USU/3015

Dear Felix:

We are pleased to enclose a copy of the Notice of Allowance that issued in the above-identified application. In order to perfect the issuance of the Letters Patent in this application, the issue and publication fee must be paid on or before January 2, 2007. This time period cannot be extended for any reason whatsoever. For your convenience, we are enclosing a copy of the claims as allowed.

Please provide us with written authorization to pay the issue fee on your behalf. If you have any questions in this regard, please contact us immediately.

Very truly yours,

Paul D. Greeley

PDG/sml Enc.		
Pay Issue Fee		Do Not Pay Issue Fee
Authorization: Name: Title:	Date:	, 2006

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

27623

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10/02/2006

OHLANDT, GREELEY, RUGGIERO & PERLE, LLP ONE LANDMARK SQUARE, 10TH FLOOR STAMFORD, CT 06901

EXAMINER LE, DINH THANH ARTUNIT PAPER NUMBER

DATE MAILED: 10/02/2006

1	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/512,102	10/21/2004	Akita Shinichi	0001864USU3105	6415

TITLE OF INVENTION: NOISE FILTER CIRCUIT

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0	\$1700	01/02/2007

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

1. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown
- B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NOCT - 4 2006

A. Pay TOTAL FEE(S) DUE shown and ve. or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

- II. PART B FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 or <u>Fax</u> (571)-273-2885

appropriate All further	correspondence includired below or directed oth	o the Patent a	idvance o	orders and notification	ເດfm	aintenance fees w	rill be i	mailed to the current	correspondence address as rate "FEE ADDRESS" for
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10/512,102	10/21/2004			Akita Shinichi			00	01864USU3105	6415
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PTOL-85 (Rev. 07/06) Approved for use through 04/30/2007.

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UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/512,102	10/21/2004	Akita Shinichi	0001864USU3105	6415		
27623 7.	10/21/2004 Akita Shinichi 7590 10/02/2006 , GREELEY, RUGGIERO & PERLE, LLP MARK SQUARE, 10TH FLOOR		EXAM	INER		
OHLANDT, GR	EELEY, RUGGIERO	LE, DINH THANH				
		OOR	ART UNIT PAPER NUMBER			
STAMFORD, CT	06901		2816 DATE MAILED: 10/02/2006	5		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 171 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 171 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

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	Application No.	Applicant(s)		
AL C. FAR LING	10/512,102	SHINICHI, AKITA		
Notice of Allowability	Examiner	Art Unit		
	DINH T. LE	2816		
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apportant or other appropriate communication GHTS. This application is subject to	plication. If not included will be mailed in due course. THIS		
1. This communication is responsive to <u>9/14/06</u> .				
2. The allowed claim(s) is/are 1-2 and 6-7.				
 3. Acknowledgment is made of a claim for foreign priority units. a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents. 	been received. been received in Application No			
International Bureau (PCT Rule 17.2(a)). * Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submined in the submi	IENT of this application. itted. Note the attached EXAMINER es reason(s) why the oath or declarate the submitted. son's Patent Drawing Review (PTO-	'S AMENDMENT or NOTICE OF tion is deficient. 948) attached		
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the				
6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT				
 Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08),	5. Notice of Informal P 6. Interview Summary Paper No./Mail Dat 7. Examiner's Amenda 8. Examiner's Stateme 9. Other	(PTO-413), e		
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Application/Control Number: 10/512,102

Art Unit: 2816

REASONS FOR ALLOWANCE

The following is an Examiner's Statement of Reasons for Allowance:

The applicant's amendment filed on 9/14/06 overcomes the technical deficiencies and the prior art rejection. Claims 1-2 and 6-7 are allowed because the prior art of record fails to suggest "an error amplifier for amplifying an error voltage between said reference voltage and an output voltage from said output of said voltage divider, having an input connected to said first source terminal, an input connected to said second source terminal, an input connected to said reference voltage output, an input connected to said output of said voltage divider, and an output connected to said second input of said voltage-current generator, wherein said error amplifier comprises an input part, a load part, a noise suppression part, and a phase compensation capacitor, wherein said input part comprises a pair of first type semiconductor elements, wherein said load part comprises a pair of second type semiconductor elements, and wherein said noise suppression part (i) is disposed between said input part and said load part, (ii) has an input connected to said first source terminal, and (iii) comprises a pair of the first type semiconductor elements of different dimension in length or width" as combined in claims 1 and 6.

CONCLUSION

Any comments considered necessarily by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably accompany the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DINH T. LE whose telephone number is (571) 272-1745. The examiner can normally be reached on Monday-Friday (8AM-7PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TIMOTHY CALLAHAN can be reached at (571) 272-1740.

Application/Control Number: 10/512,102

Art Unit: 2816

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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PRIMARY EXAMINER

Page 3

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